

Amendment to the Claims:

The listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

1-26. Cancelled without disclaimer or prejudice.

27. (New) A method for maintaining the accuracy of a clock which keeps clock time, comprising the steps of:

setting the clock time on a first occasion;

setting the clock time on a second occasion; and

adjusting a time-keeping operation of the clock on a basis of time which elapsed between the first and second occasions, and a difference in the clock time just prior to the second occasion and as set on the second occasion.

28. (New) A method as in claim 27, wherein the clock comprises an oscillator and processing means for processing a signal from the oscillator on a basis of a timing parameter to produce an indication of the clock time.

29. (New) A method as in claim 27, wherein:

the time-keeping operation of the clock is adjusted by re-tuning a frequency of an oscillator.

30. (New) A method as in claim 29 wherein:

the clock forms part of a radio device including a baseband and a radio interface and the oscillator is used to provide a time base to the baseband.

31. (New) A method as in claim 28, wherein a timing parameter of the processing means is adjusted.

32. (New) A method as in claim 27, wherein:

the setting of the clock time is performed by a user.

33. (New) A method as in claim 27, wherein the clock forms part of a radio device and the clock time is set by a remote time reference via a radio interface of the radio device.

34. (New) A clock for use in a radio communications device which keeps clock time comprising:

time setting means for re-setting the clock on a first occasion to a first clock time and on a second occasion to a second clock time; and

adjustment means, responsive to re-setting the clock on the second occasion, to adjust a time-keeping operation of the clock on a basis of time which elapsed between the first and second occasions, and a difference in the clock time just prior to the second occasion and as set on the second occasion.

35. (New) A clock as in claim 34, comprising:
an oscillator and processing means for processing the signal from the oscillator on a basis of a timing parameter to produce an indication of the clock time.

36. (New) A clock as in claims 34, wherein:
the adjustment means includes means for re-tuning the oscillator.

37. (New) A clock as in claim 35, wherein:
the adjustment means is operable to adjust the timing parameter.

38. (New) A clock as in claim 34, comprising:
means to adjust the time keeping-operation of the clock based on predictive models of behavior of the components of the clock.

39. (New) A portable radio communication device including a radio interface and a clock as in claim 34, comprising:
means for obtaining an accurate time reference by which the clock time is set via the radio interface.

40. (New) A method as in claim 28, wherein:
the time-keeping operation of the clock is adjusted by re-tuning the frequency of the oscillator.

41. (New) A method as in claim 28, wherein:

the clock forms part of a radio device, and the clock time is set by a remote time reference via a radio interface of the radio device.

42. (New) A method as in claim 29, wherein:

the clock forms part of a radio device and the clock time is set by a remote time reference via the radio interface of the radio device.

43. (New) A method as in claim 30, wherein:

the clock time is set by a remote time reference via the radio interface of the radio device.

44. (New) A method as in claim 32, wherein:

the clock forms part of a radio device and the clock time is set by a remote time reference via a radio interface of the radio device.

45. (New) A clock as in claim 35, wherein:

the adjustment means includes means for re-tuning the oscillator.

46. (New) A clock as in claim 36, wherein:

the adjust means is operable to adjust a timing parameter.

47. (New) A clock as in claim 35, comprising:
means to adjust the time keep-operation of the clock based on predictive models of the behavior of components of the clock.

48. (New) A clock as in claim 36, comprising:
means to adjust the time keep-operation of the clock based on predictive models of the behavior of the components of the clock.

49. (New) A clock as in claim 37, comprising:
means to adjust the time keep-operation of the clock based on predictive models of the behavior of the components of the clock.

50. (New) A portable radio communication device comprising:
a radio interface, a clock as in claim 35 and means for obtaining an accurate time reference by which the clock time is set via a radio interface.

51. (New) A portable radio communication device comprising:
a radio interface, a clock as in claim 36 and means for obtaining an accurate time reference by which the clock time is set via a radio interface.

52. (New) A portable radio communication device comprising:
a radio interface, a clock as in claim 37 and means for obtaining an accurate time reference by which the clock time is set via a radio interface.

53. (New) A portable radio communication device comprising:
a radio interface, a clock as in claim 38 and means for obtaining an accurate time reference by which the clock time is set via a radio interface.

54. (New) A method for maintaining accuracy of a clock which keeps clock time, comprising the steps of:
storing the clock time as set on the first occasion;
setting the clock on a second occasion; and
adjusting a time-keeping operation of the clock on a basis of a difference between a stored clock time as set on the first occasion and the clock time just prior to the second occasion, and a difference between the clock time just prior to the second occasion and as set on the second occasion.

55. (New) A method for maintaining accuracy of a clock which keeps clock time, comprising the steps of:

setting the clock on a first occasion;

setting the clock on a second occasion; and

detecting whether adjustment of a time-keeping operation of the clock would be erroneous and if not erroneous, adjusting the time-keeping operation of the clock on a basis of the time which elapsed between the first and second occasions, and a difference in the clock time just prior to the second occasion and as set on the second occasion.

56. (New) A clock suitable for use in a radio communications device comprising:

time setting means for re-setting the clock;

adjustment means for adjusting a time-keeping operation of the clock in response to re-setting the clock; and

detection means for detecting whether adjustment of the time-keeping operation of the clock would be erroneous and if erroneous, preventing adjustment of the time-keeping operation of the clock.

57. (New) A radio communications device which keeps clock time comprising:

a baseband;

a radio;

a clock including a tunable oscillator for providing a time base to the baseband;

time setting means for re-setting the clock on a first occasion to a first clock time and on a second occasion to a second time; and

adjustment means, responsive to re-setting the clock on the second occasion, to adjust a time-keeping operation of the clock by re-tuning the oscillator on a basis of time which elapsed between the first and second occasions, and a difference in the clock time just prior to the second occasion and as set on the second occasion.

58. (New) A radio communications device which keeps clock time comprising:

a baseband;

a radio for receiving a remote time reference;

a clock including a tunable oscillator for providing a time base to the baseband;

time setting means for re-setting the clock, in response to a first time reference received on a first occasion, to a first clock time and, in response to a second time reference received on a second occasion, to a second clock time; and

adjustment means, responsive to re-setting the clock on the second occasion, to adjust the time-keeping operation of the clock by re-tuning the oscillator on a basis of time which elapsed between the first and second occasions, and a difference in the clock time just prior to a second occasion and as set on a second occasion.

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59. (New) A clock for use in a radio communications device which keeps clock time comprising:

time setting means for re-setting the clock on a first occasion to a first clock value and on a second occasion to a second clock value; and

adjustment means, responsive to re-setting the clock on the second occasion, to adjust a time-keeping operation of the clock on a basis of time which elapsed between the first and second occasions, and a difference in the clock time just prior to the second occasion and as set on a second occasion; and wherein

adjustment means adjusts the time-keeping operation of the clock based on predictive models of behavior of components of the clock.